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(54) Title: ORGANIC POLYMER LIGHT-EMITTING ELEMENT MATERIAL HAVING GOLD COMPLEX STRUCTURE AND ORGANIC POLYMER LIGHT-EMITTING ELEMENT

$$R^{12} - \left(C = C\right)_n Au - P(R^{13}) (R^{14}) (R^{15})$$
 (5)

$$(R^{22}) (R^{23}) P \longrightarrow Z^{4} \longrightarrow P(R^{24}) (R^{25})$$

Au
Au
(8)

 SR^{26}
 SR^{27}

(57) Abstract: The present invention provides an organic polymer light-emitting element material having a gold complex structure as a part of the side chain or crosslinking group as represented by formulae (5) and (8) and an organic polymer light-emitting element comprising layer(s) comprising the organic polymer light-emitting element material. The present invention provides a polymer-based phosphorescent

material useful for a multicolor or white light-emitting organic EL device having high luminous efficiency and capable of large-area formation and mass production.





